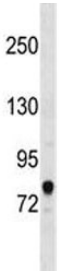
ACSL3 Antibody (R32626)

Catalog No.	Formulation	Size
R32626	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	O95573
Applications	Western blot: 0.5-1ug/ml
Limitations	This ACSL3 antibody is available for research use only.



Western blot testing of human HepG2 cell lysate with ACSL3 antibody at 0.5ug/ml. Predicted molecular weight ~80 kDa.

Description

Long-chain-fatty-acidÂ—CoA ligase 3 is an enzyme that in humans is encoded by the ACSL3 gene. The protein encoded by this gene is an isozyme of the long-chain fatty-acid-coenzyme A ligase family. Although differing in substrate specificity, subcellular localization, and tissue distribution, all isozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby play a key role in lipid biosynthesis and fatty acid degradation. This isozyme is highly expressed in brain, and preferentially utilizes myristate, arachidonate, and eicosapentaenoate as substrates. The amino acid sequence of this isozyme is 92% identical to that of rat homolog. Two transcript variants encoding the same protein have been found for this gene.

Application Notes

Optimal dilution of the ACSL3 antibody should be determined by the researcher.

Immunogen

A human recombinant protein corresponding to amino acids M12-I224 was used as the immunogen for the ACSL3 antibody.

Storage

After reconstitution, the ACSL3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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